

PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 13

Complete if Known

Application Number	09/580,018
Filing Date	May 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Sharon Turner NICHOLS
Attorney Docket Number	15270J-004760US

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>8</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
EN	294	WO	01/62801	A2	08-30-2001			
	301	WO	01/62284	A2	03-01-2000			
	298	WO	01/42306	A2	06-14-2001			
	243	WO	01/39796	A2	06-07-2001			
	322	WO	00/72880	A2, A3	12-07-2000			
	323	WO	00/72876	A2, A3	12-07-2000			
	324	WO	00/72870	A1	12-07-2000			
	240	WO	00/43039	A1	07-27-2000			
	331	WO	99/06545	A2	11-02-1999			
	227	WO	95/11008	A2	04-27-1995			

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4/29/03

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**INFORMATION DISCLOSURE  
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Sheet 1 of 13

**Complete if Known**

Application Number	09/580,018
Filing Date	May 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner - Nichols
Attorney Docket Number	15270J-004760US

**U.S. PATENT DOCUMENTS**

Examiner's Initials	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SD	326	2002/0136718 A1	09-26-2002	Raso	
	325	2001/0102261 A1	08-01-2002	Raso	
	306	6,417,178 B1	07-09-2002	Klunk et al.	
	267	6,294,171 B2	09-25-2001	McMichael	
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	284	5,231,170	07-27-1993	Averback	
	<del>242</del>	<del>60/168,594</del>	<del>N/A</del>	<del>Chalifour et al.</del>	
	<del>282</del>	<del>60/168,687</del>	<del>N/A</del>	<del>Chain</del>	
	<del>295</del>	<del>60/184,601</del>	<del>N/A</del>	<del>Holtzman et al.</del>	
	<del>296</del>	<del>60/254,165</del>	<del>N/A</del>	<del>Holtzman et al.</del>	
	<del>297</del>	<del>60/254,498</del>	<del>N/A</del>	<del>Holtzman et al.</del>	
SD	<del>299</del>	<del>60/186,295</del>	<del>N/A</del>	<del>Rasmussen et al.</del>	

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Sheet 3 of 13

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Application Number	09/580,018
Filing Date	May 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Sharon Turner NICHOLS
Attorney Docket Number	15270J-004760US

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sub>2</sub>
GO	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" <u>J. Mol. Biol.</u> , 225(4): 1075-1093 (1992).	-
↓	239	BEASLEY, "Alzheimer's traced to proteins caused by aging;" Reuters, April 20, 2001 7:56 PM ET.	-
↓	327	CAMERON, "Recent Advances in Transgenic Technology," <u>Molecular Biotechnology</u> , 7:253-265 (1997).	-
GO	285	CAPUTO et al., "Therapeutic approaches targeted at the amyloid proteins in Alzheimer's disease," <u>Clin. Neuropharm.</u> , 15:414A-414B (1992).	-
	224	<del>Center for Biologics Evaluation and Research, U.S. Food and Drug Administration, Thimerosal in Vaccines (Mercury in Plasma-Derived Products); web site contents found at:</del> <del><a href="http://www.fda.gov/cber/vaccine/thimerosal.htm">http://www.fda.gov/cber/vaccine/thimerosal.htm</a>, last updated May 16, 2002.</del>	-
GO	266	CHAPMAN, PAUL F., "Model behavior," <u>Nature</u> , 408:915-916 (2000).	-
GO	222	Chemical Abstract database, Abstract of "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Biologicals," Chemical Abstract database. (Publication date unknown.)	-

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G. Nichols

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Sheet 4 of 13

**Complete if Known**

Application Number	09/580,018
Filing Date	May 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner - <i>NICHOLS</i>
Attorney Docket Number	15270J-004760US

<i>CSO</i>	307	CHEN, et al. A learning deficit related to age and beta-amyloid plaques in a mouse model of Alzheimer's disease. <i>Nature</i> , 408(6815):975-9 (2000).
<i>1</i>	332	CHEN, et al., "Neurodegenerative Alzheimer-like pathology in PDAPP 717V→F transgenic mice," <i>Progress in Brain Research</i> , Van Leeuwen et al. Eds, 117:327-337 (1998).
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<i>↓</i>	287	COSTA et al., "Immunoassay for transthyretin variants associated with amyloid neuropathy," <i>Scand. J. Immunol.</i> , 38:177-182 (1993).
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Signature*Sharon Turner*Date  
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**INFORMATION DISCLOSURE  
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Sheet

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of

13

**Complete if Known**

Application Number	09/580,018
Filing Date	May 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner
Attorney Docket Number	15270J-004760US

	220	Dialog/Derwent, Abstract of WPI Acc No. 1997-054436/199706: Stable vaccine compns. - comprise a macrocyclic lactone, a milbemycin, an avermectin, an antigen, a dispersing agent, an adjuvant, a water sol. organic solvent and saline or water, Derwent File 351: Derwent WPI database. (Publication date unknown.)
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/580,018
		Filing Date	May 26, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1847
		Examiner Name	Sharon Turner NICHOLS
		Attorney Docket Number	15270J-004760US
Sheet 6 of 13			

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244	FRENKEL, et al., "Modulation of Alzheimer's $\beta$ -amyloid neurotoxicity by site-directed single chain antibody," <u>J. of Neuroimmunology</u> , 106:23-31 (2000).
249	FRIEDLAND, et al., "Neuroimaging of Vessel Amyloid in Alzheimer's Disease," in <u>Cerebrovascular Pathology in Alzheimer's Disease</u> , eds. de la Torre and Hachinski, New York Academy of Sciences, New York, New York (1997).
251	GARDELLA et al., "Intact Alzheimer amyloid precursor protein (APP) is present in platelet membranes and is encoded by platelet mRNA," <u>Biochem. Biophys. Res. Comm.</u> , 173:1292-1298 (1990).
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253	GIULIAN, et al., "The HHQK Domain of $\beta$ -Amyloid Provides a Structural Basis for the Immunopathology of Alzheimer's Disease," <u>Journal of Biological Chem.</u> , 273:29719-29726 (1998).
303	GONZALES-FERNANDEZ et al., "Low antigen dose favors selection of somatic mutants with hallmarks of antibody affinity maturation," <u>Immunology</u> , 93:149-153 (1998).

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Sheet 7 of 13

**Complete if Known**

Application Number	09/580,018
Filing Date	May 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sheran Turner NICHOLS
Attorney Docket Number	15270J-004780US

237	GORTNER, <u>Outlines of Biochemistry</u> , pp. 322-323, John Wiley & Sons, Inc., New York (1949).
254	GRUBECK-LOEBENSTEIN, et al., "Immunization with $\beta$ -amyloid: could T-cell activation have a harmful effect?", <u>TINS</u> , 23:114 (2000).
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236	HILBICH et al., "Human and rodent sequence analogs of Alzheimer's amyloid $\beta$ A4 share similar properties and can be solubilized in buffers of pH 7.4," <u>Eur. J. Biochem.</u> , 201:61-69 (1991).
256	IKEDA, et al., "Immunogold labeling of cerebrovascular and neuritic plaque amyloid fibrils in Alzheimer's disease with an anti- $\beta$ protein monoclonal antibody," <u>Lab. Invest.</u> , 57:446-449 (1987).
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257	JEN, et al., "Preparation and purification of antisera against different regions or isoforms of b-amyloid precursor protein," <u>Brain Research Protocols</u> , 2:23-30 (1997).

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		Art Unit	1647
		Examiner Name	Sharon Turner NICHOLS
Sheet 8 of 13	Attorney Docket Number	15270J-004780US	

CPO	334	JOBLING and HOLMES, "Analysis of structure and function of the B subunit of cholera toxin by the use of site-directed mutagenesis," <u>Molecular Microbiology</u> , 5(7):1755-1767 (1991).
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CPV	335	MASLIAH et al., "A $\beta$ -Amyloid peptides enhance $\alpha$ -synuclein accumulation and neuronal deficits in a transgenic mouse model linking Alzheimer's disease and Parkinson's disease," <u>PNAS</u> , 98(21):12245-12250 (2001).

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Attorney Docket Number	15270J-004780US

309	MATTSON, Cellular actions of beta-amyloid precursor protein and its soluble and fibrillogenic derivatives. <u>Physiol Rev.</u> 77(4):1081-132 (1997).
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Examiner Signature	<i>[Signature]</i>	Date Considered	4/29/03
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Sheet 10 of 13

**Complete If Known**

Application Number	09/530,018
Filing Date	May 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner
Attorney Docket Number	15270J-004760US

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Sheet 11 of 13

**Complete if Known**

Application Number	09/580,018
Filing Date	May 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner NICHOLS
Attorney Docket Number	15270J-004760US

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Sheet 12 of 13

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Application Number	09/580,018
Filing Date	May 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner NICHOLS
Attorney Docket Number	15270J-004760US

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Sheet 13 of 13

**Complete if Known**

Application Number	09/580,018
Filing Date	May 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner NICHOLS
Attorney Docket Number	15270J-004780US

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